

FIG. 1

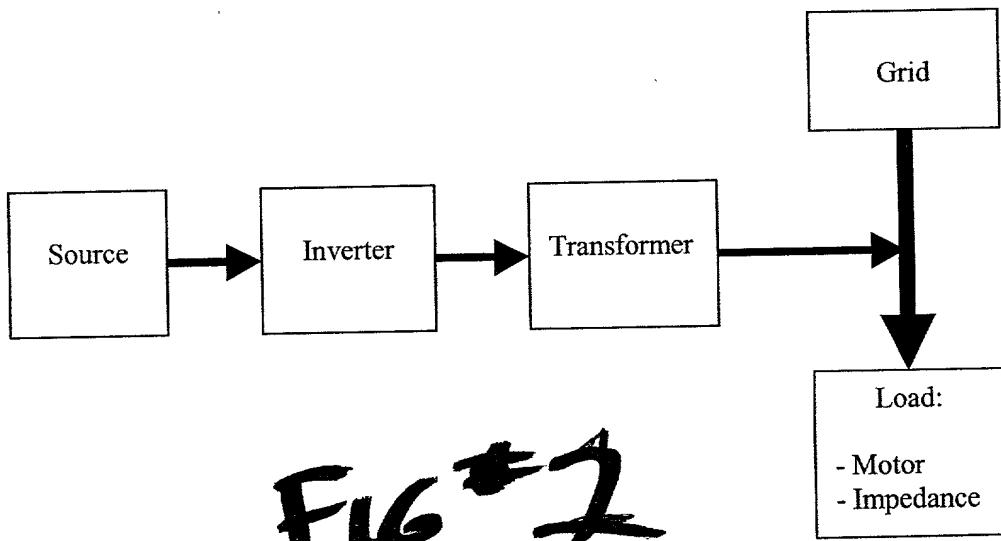


FIG #2

FIG. 2

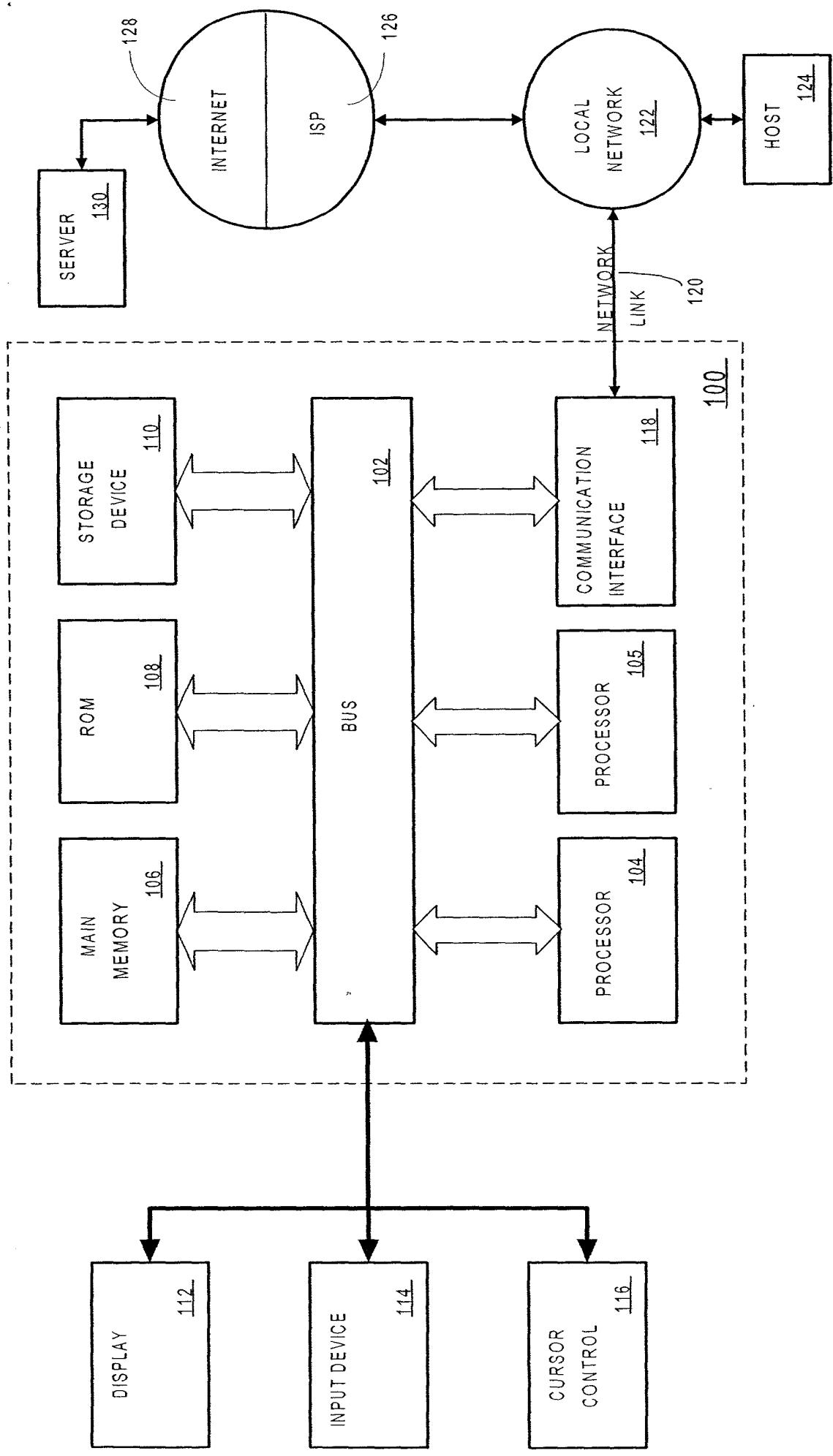
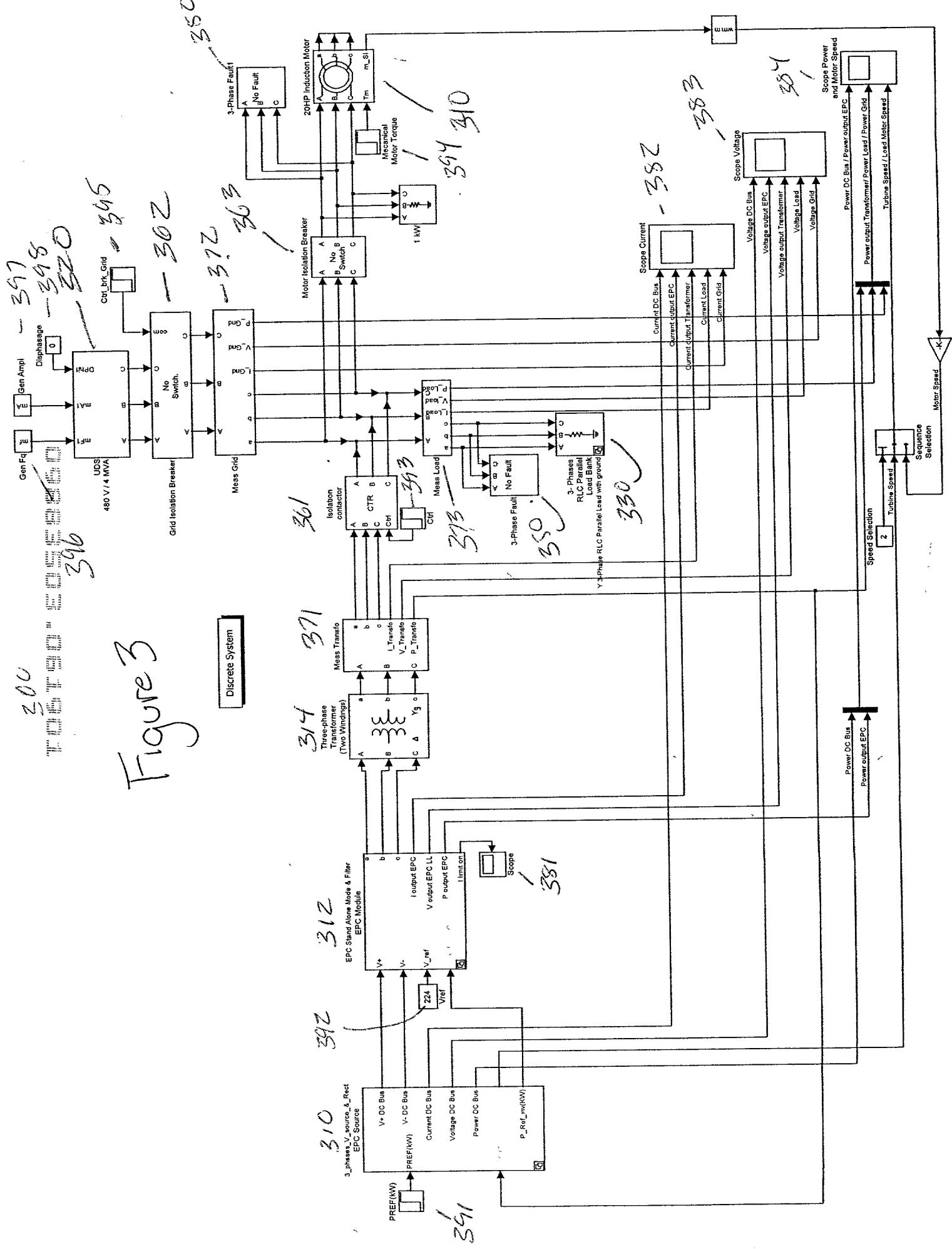
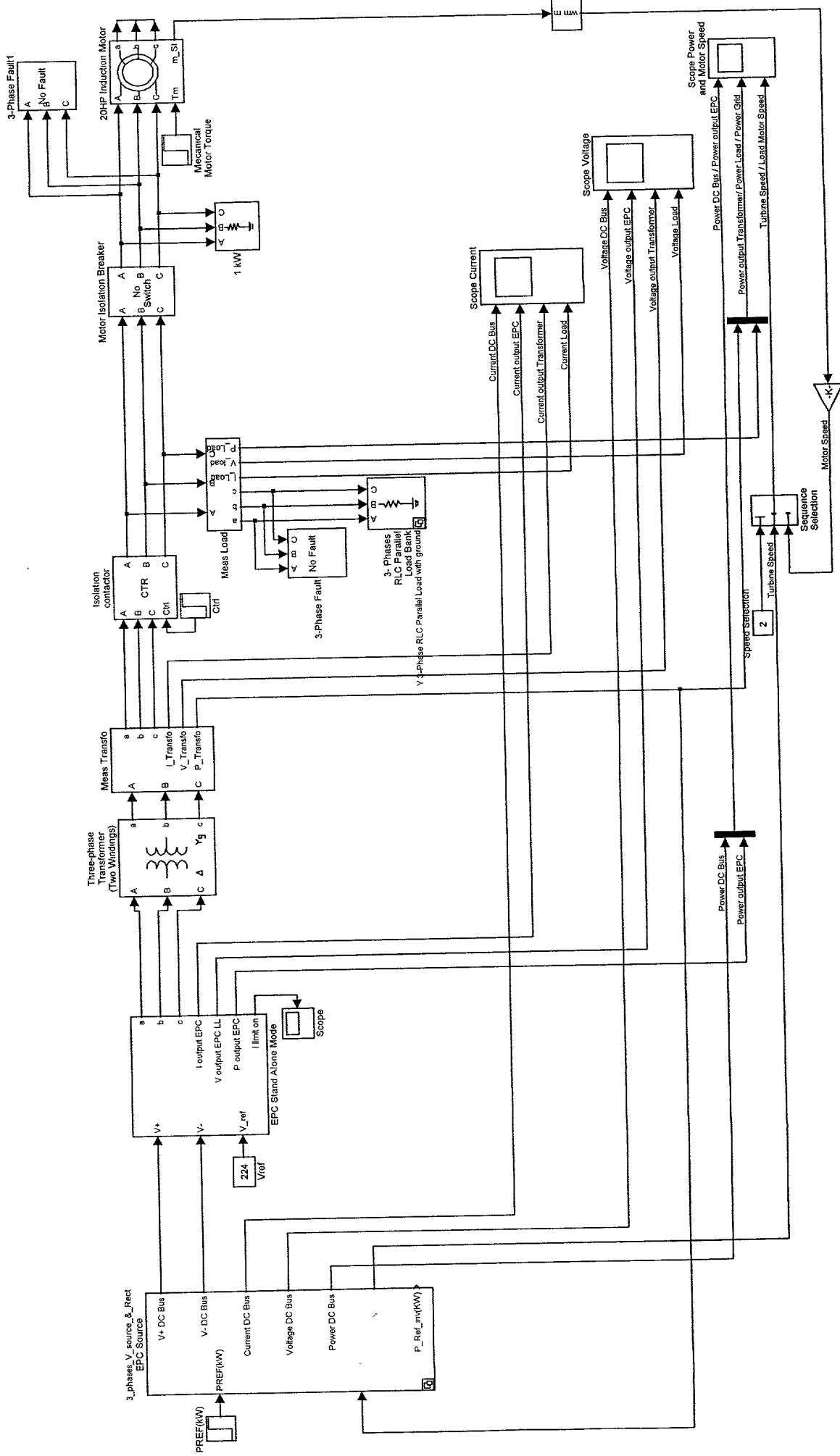


Figure 3



Stand Alone Mode:
 $T_s = 25e-6$
 Specify: param_ipu, param_pmg

Discrete System



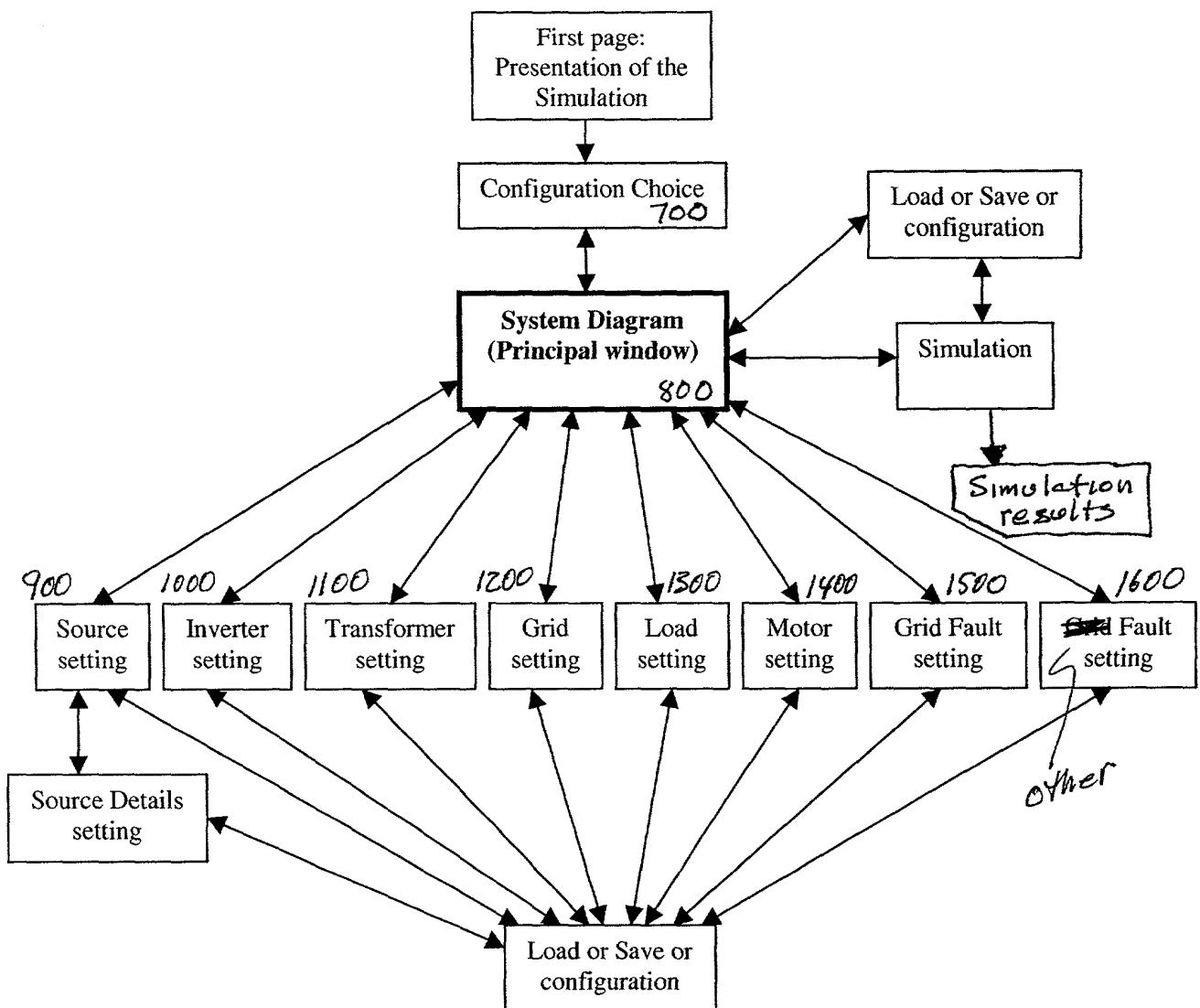
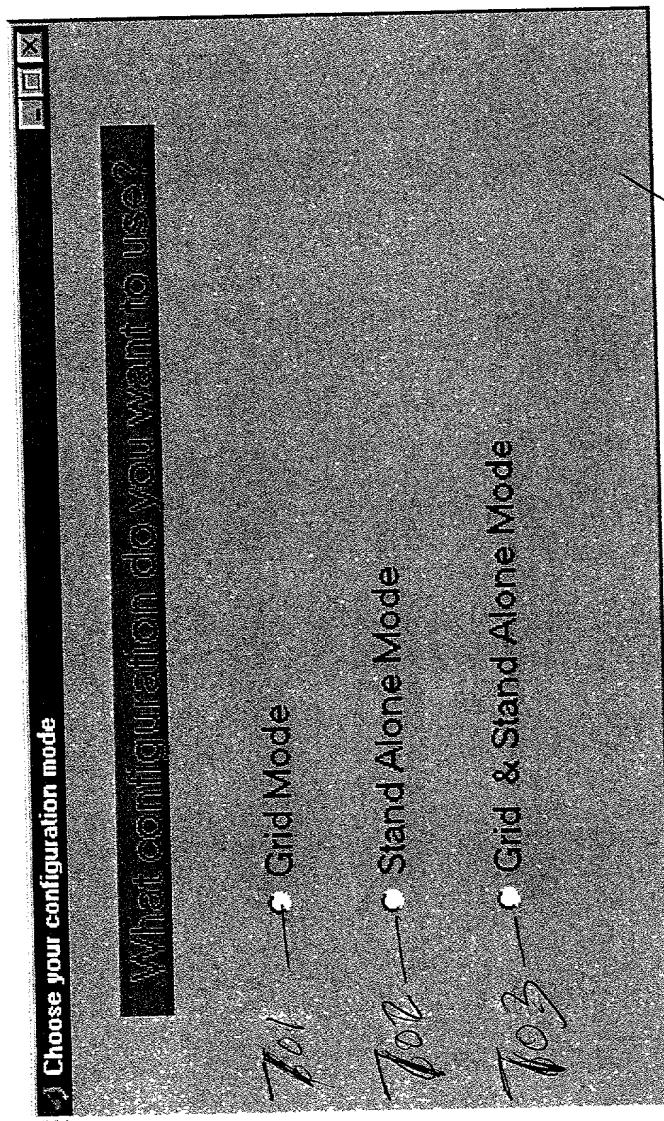


FIGURE 6.



700

Figure 7

Ecostar Power Conversion: General Diagram

Ecostar Power Conversion Simulation

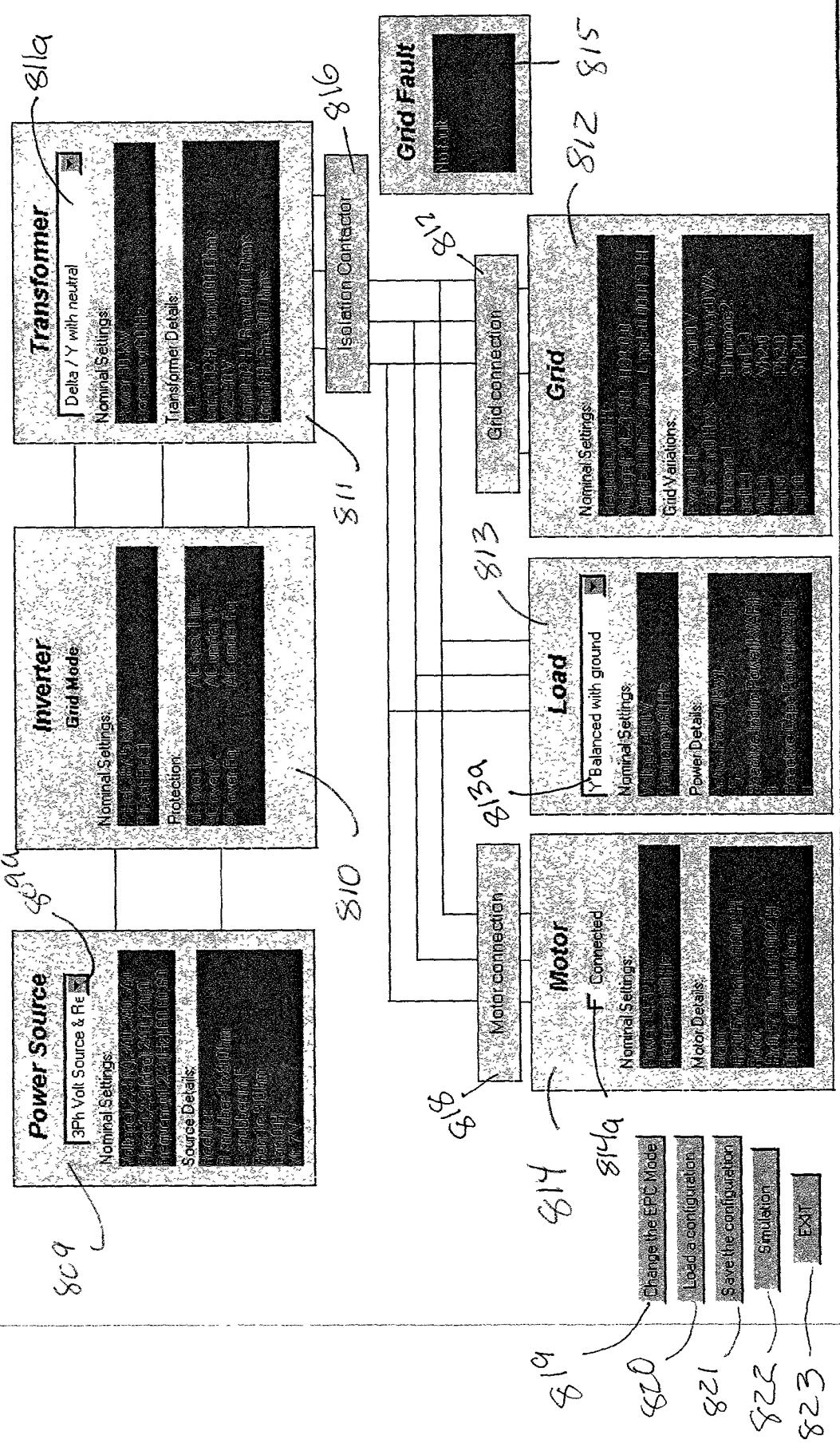


FIGURE 8

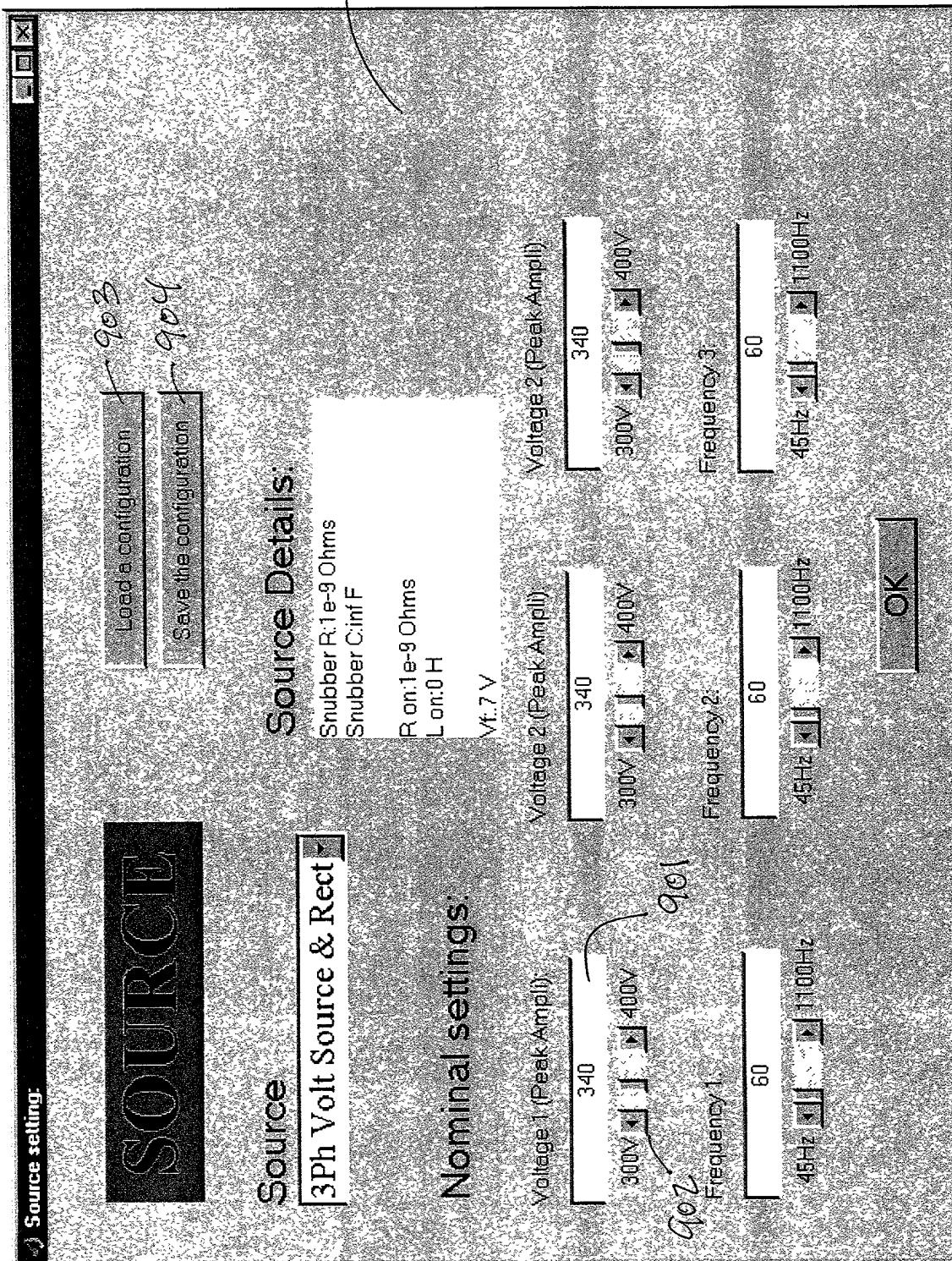


FIGURE 9 a

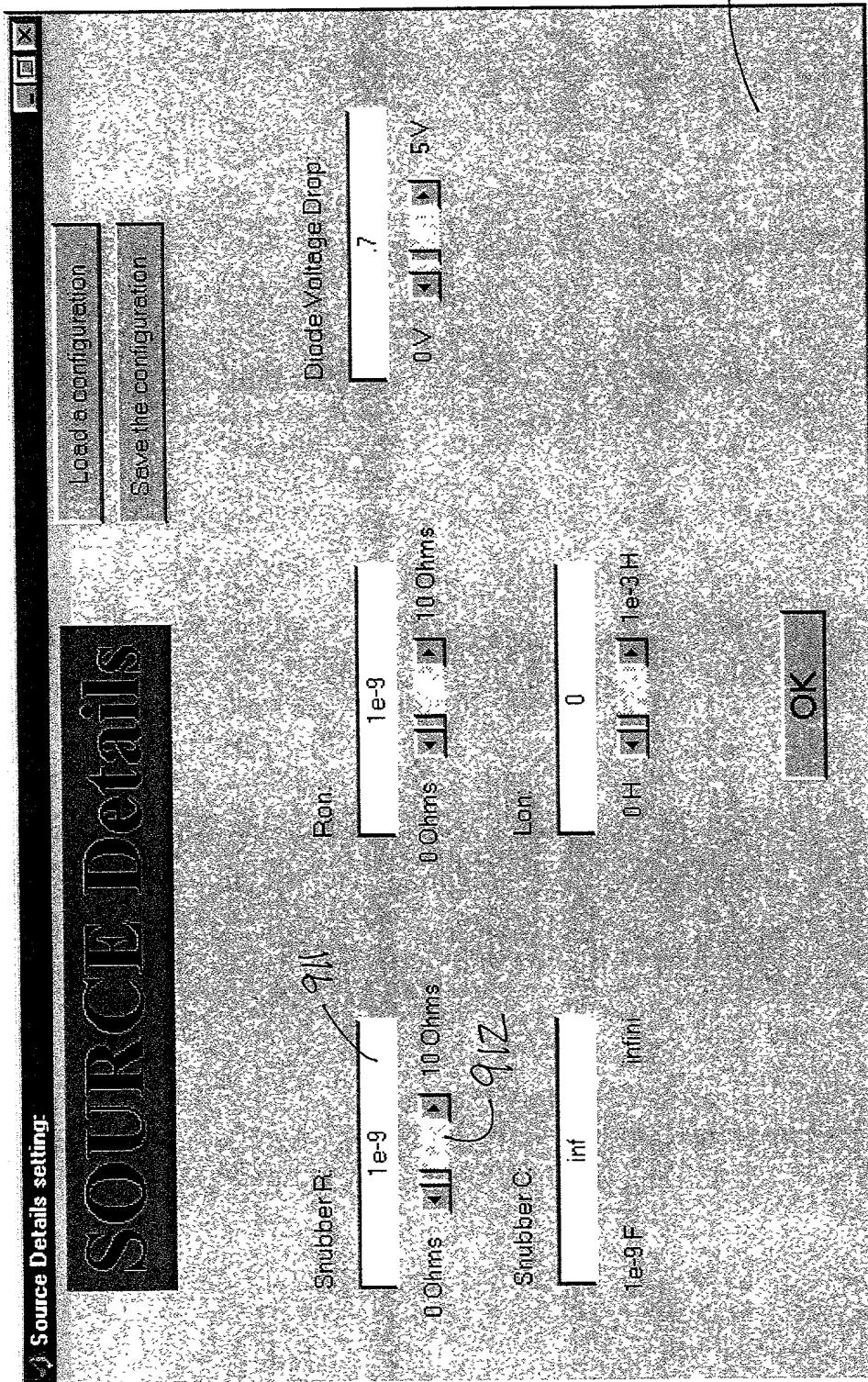


Figure 9b

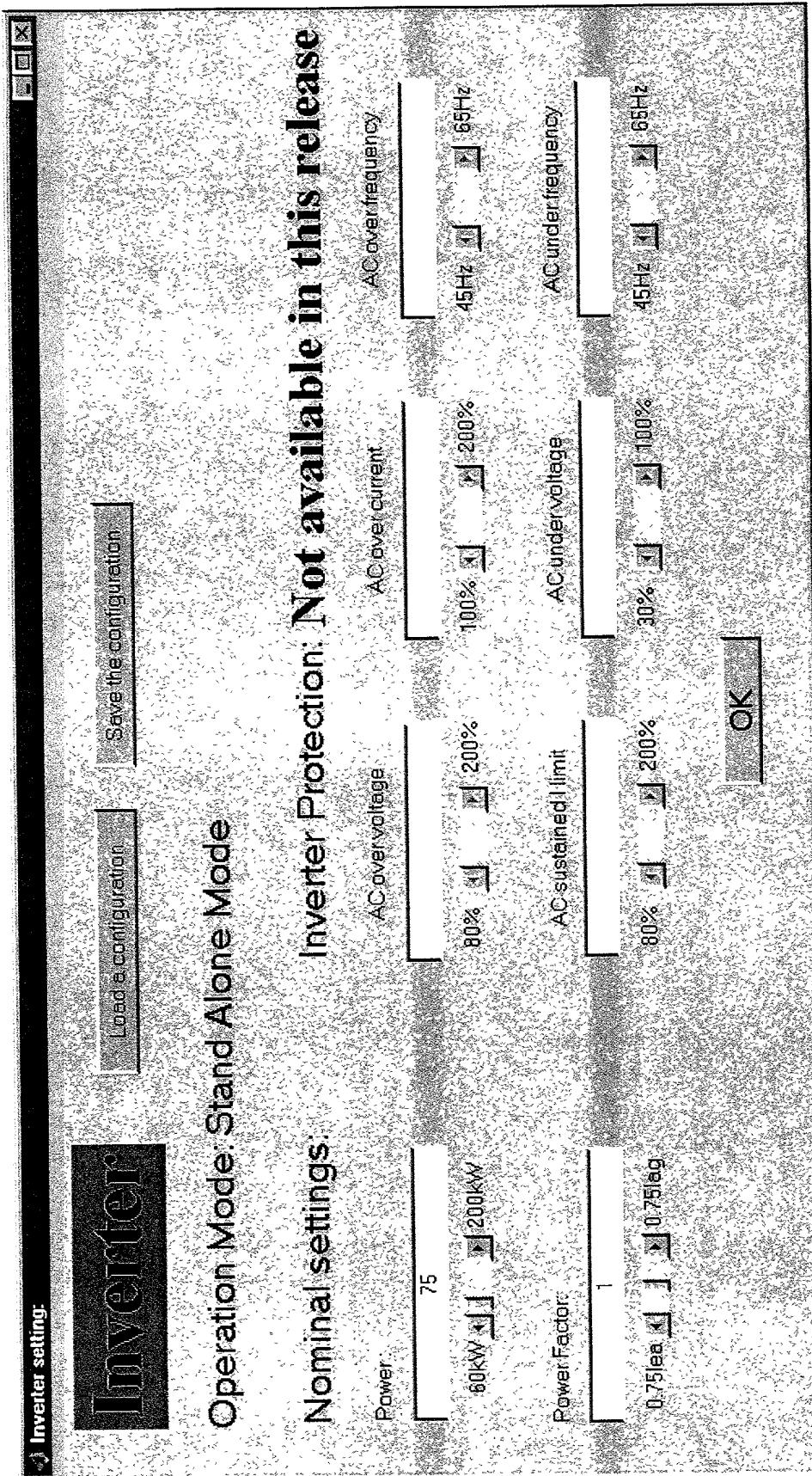


Figure 10

Transformer setting:

TRANSFORMER

Transformer Type:

Nominal settings:

Power: <input type="text" value="50kVA"/>	Frequency: <input type="text" value="50Hz"/>	Resistance: <input type="text" value="10 Ohms"/>	Inductance: <input type="text" value="1e-3 H"/>
Voltage: <input type="text" value="2000V"/>	Inductance: <input type="text" value="1e-4 Ohms"/>	Inductance: <input type="text" value="0.1 Ohms"/>	Inductance: <input type="text" value="0.1 H"/>

Magnetisation settings:

Resistance: <input type="text" value="0.01"/>	Inductance: <input type="text" value="0.02"/>
---	---

Winding 1:

Voltage: <input type="text" value="257"/>	Resistance: <input type="text" value="0.01"/>
---	---

Winding 2:

Voltage: <input type="text" value="480"/>	Resistance: <input type="text" value="0.02"/>
---	---

OK

Load a configuration

Save the configuration

Figure 11

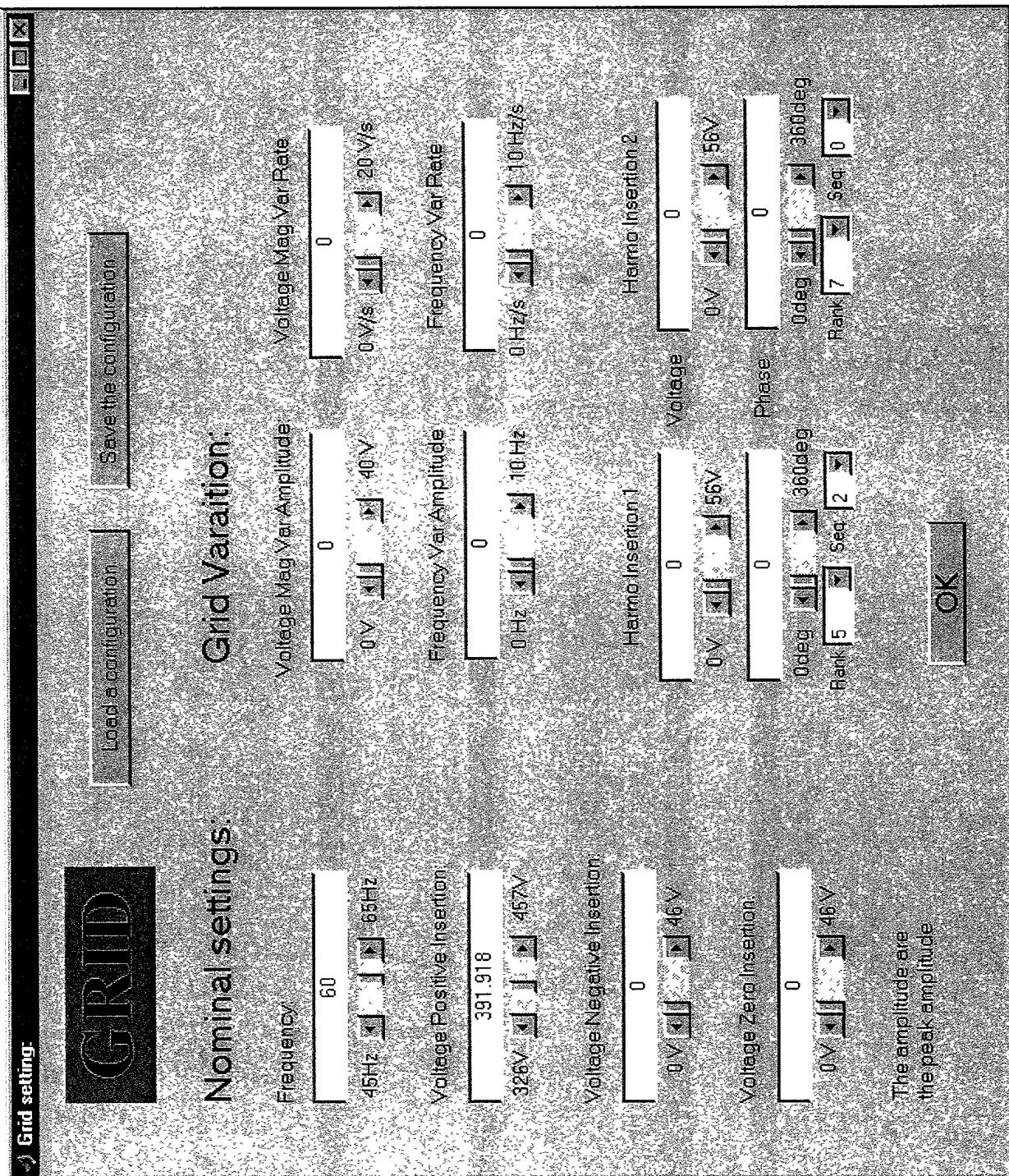


Figure 12

Load setting:

LOAD

Load Type
Y Unbalanced without group

NOMINAL SETTING

Nominal Voltage: 400V

Frequency: 50Hz

ACTIVE POWER

Phase 1: 15 kW

Phase 2: 10 kW

Phase 3: 5 kW

REACTIVE INDUCTIVE POWER

Phase 1: 0 kVAR

Phase 2: 80 kVAR

Phase 3: 80 kVAR

REACTIVE CAPACITIVE POWER

Phase 1: 0 kVAR

Phase 2: 80 kVAR

Phase 3: 80 kVAR

Buttons:

- Load a configuration
- Save the configuration
- OK

Figure 13

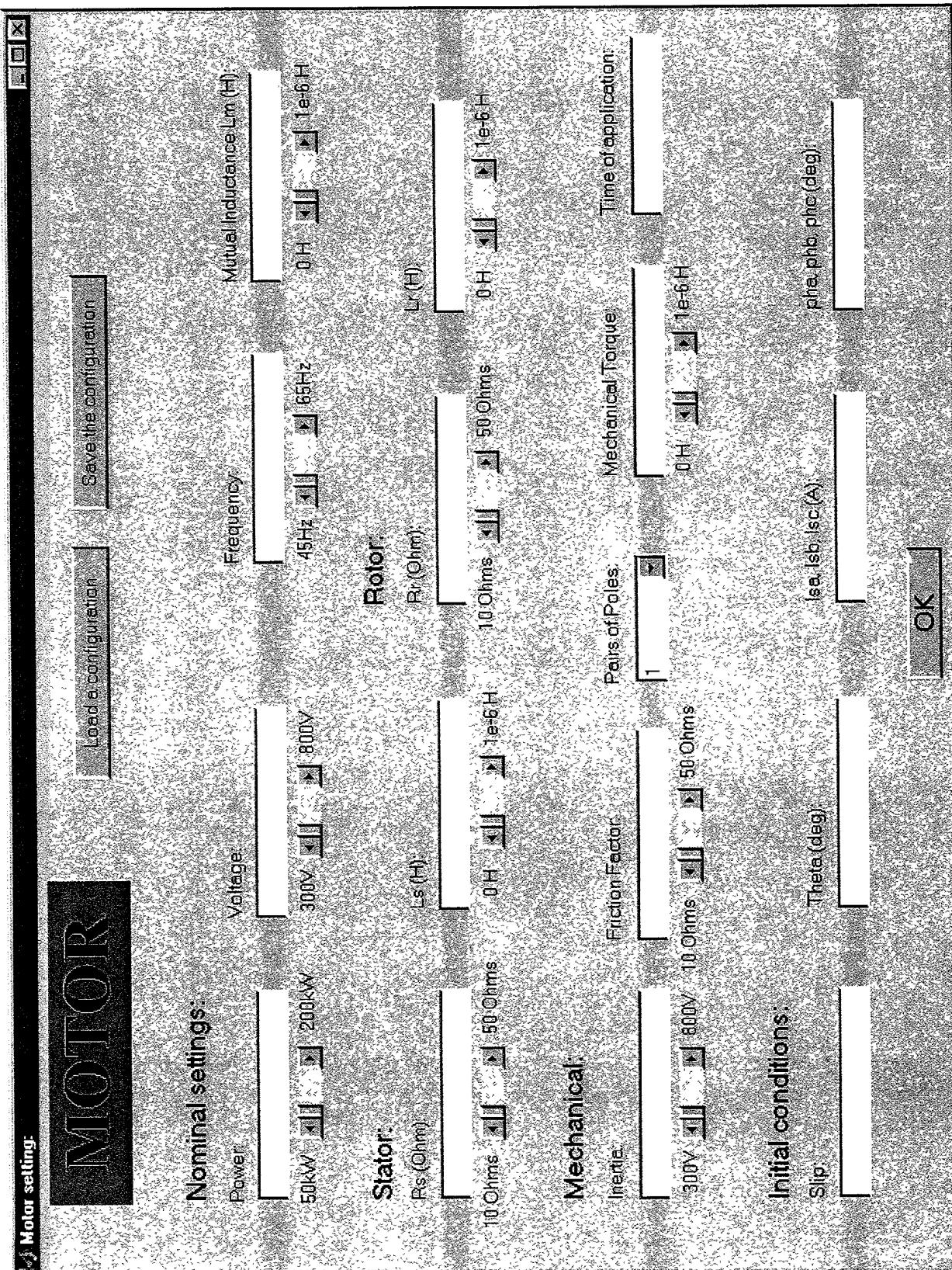


Figure 14

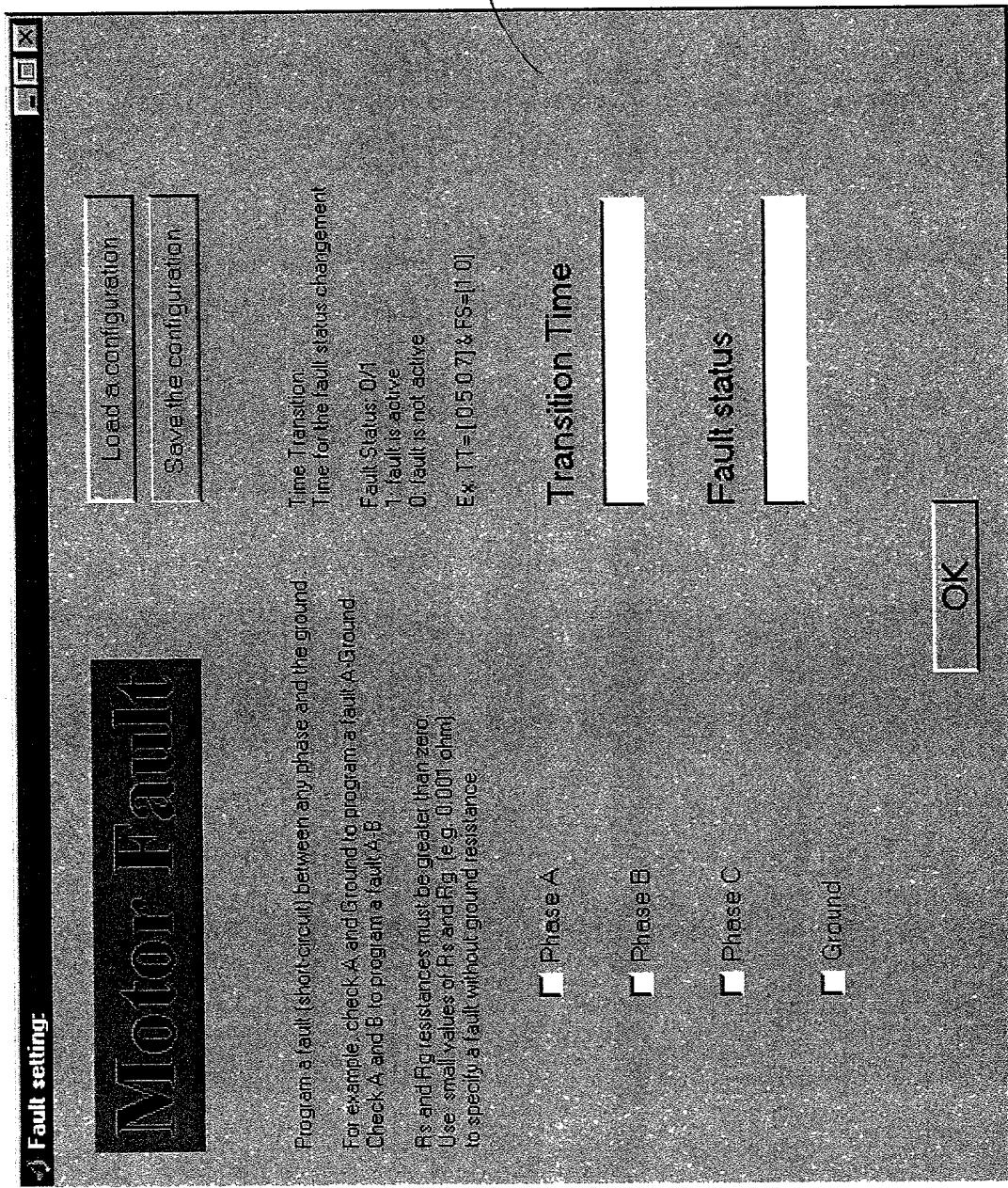


Figure 15

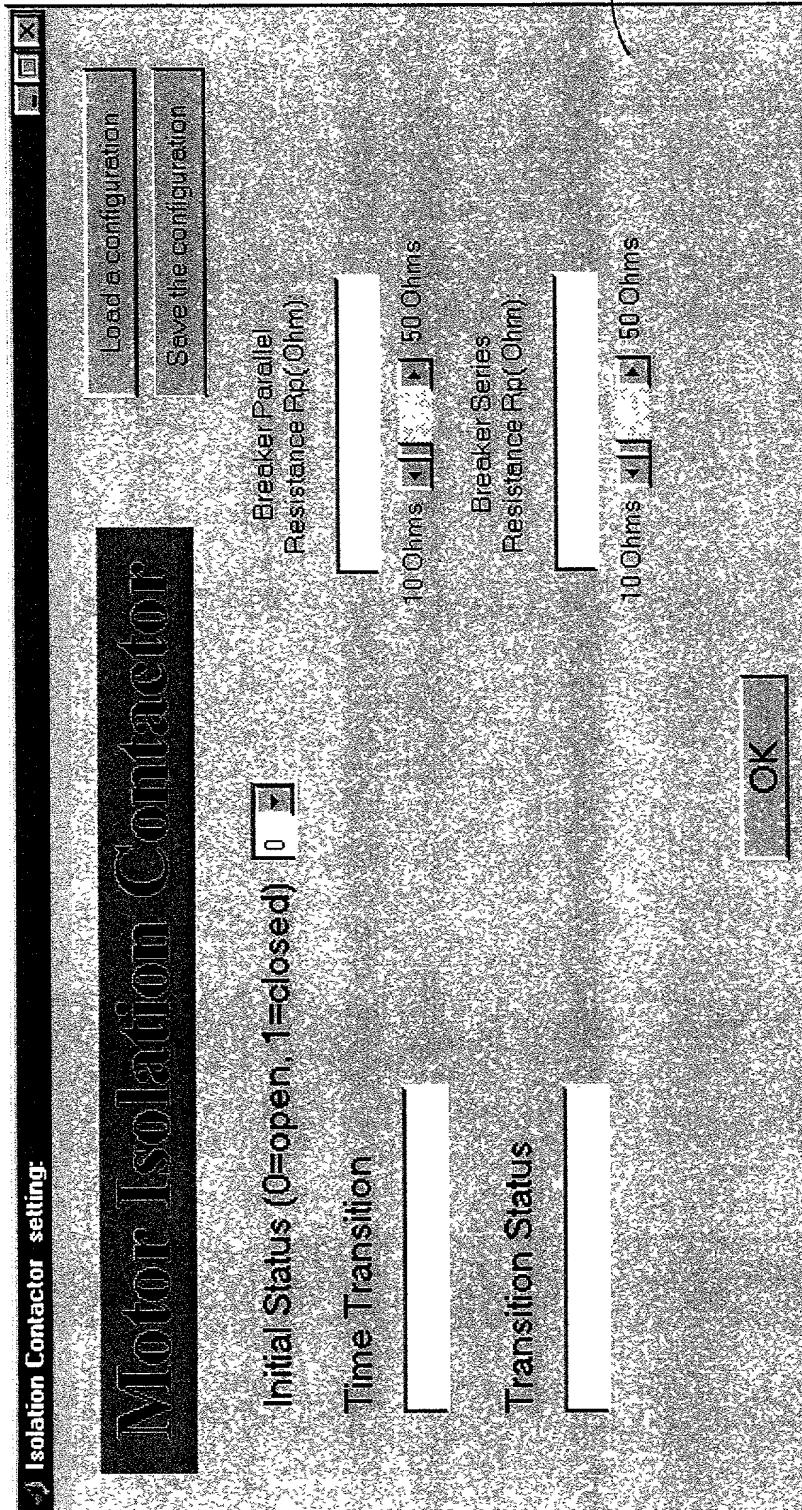


Figure 16

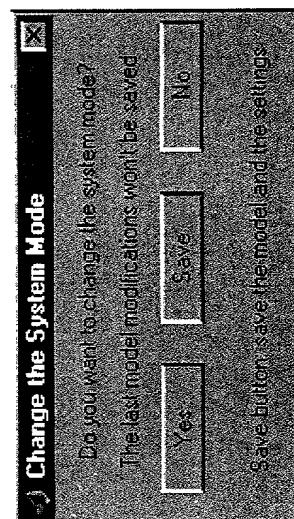
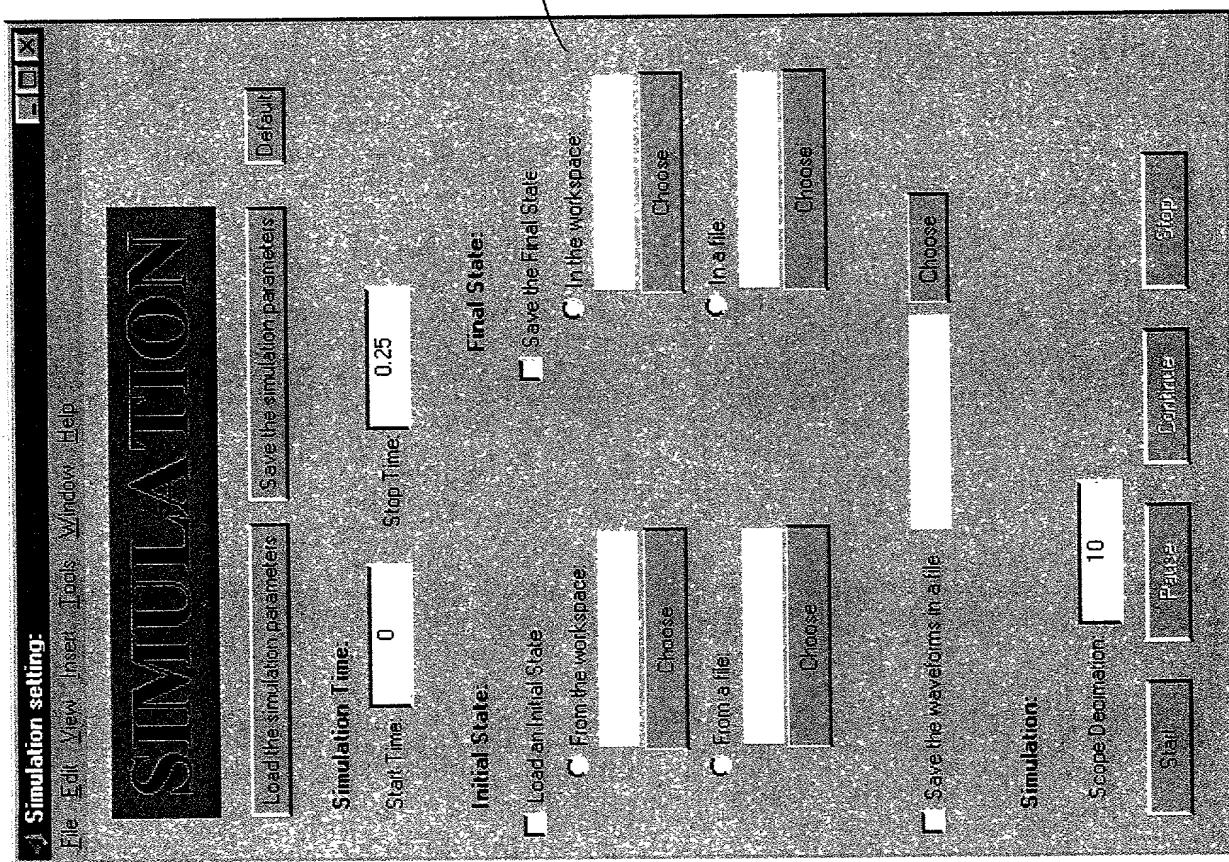


Figure 17



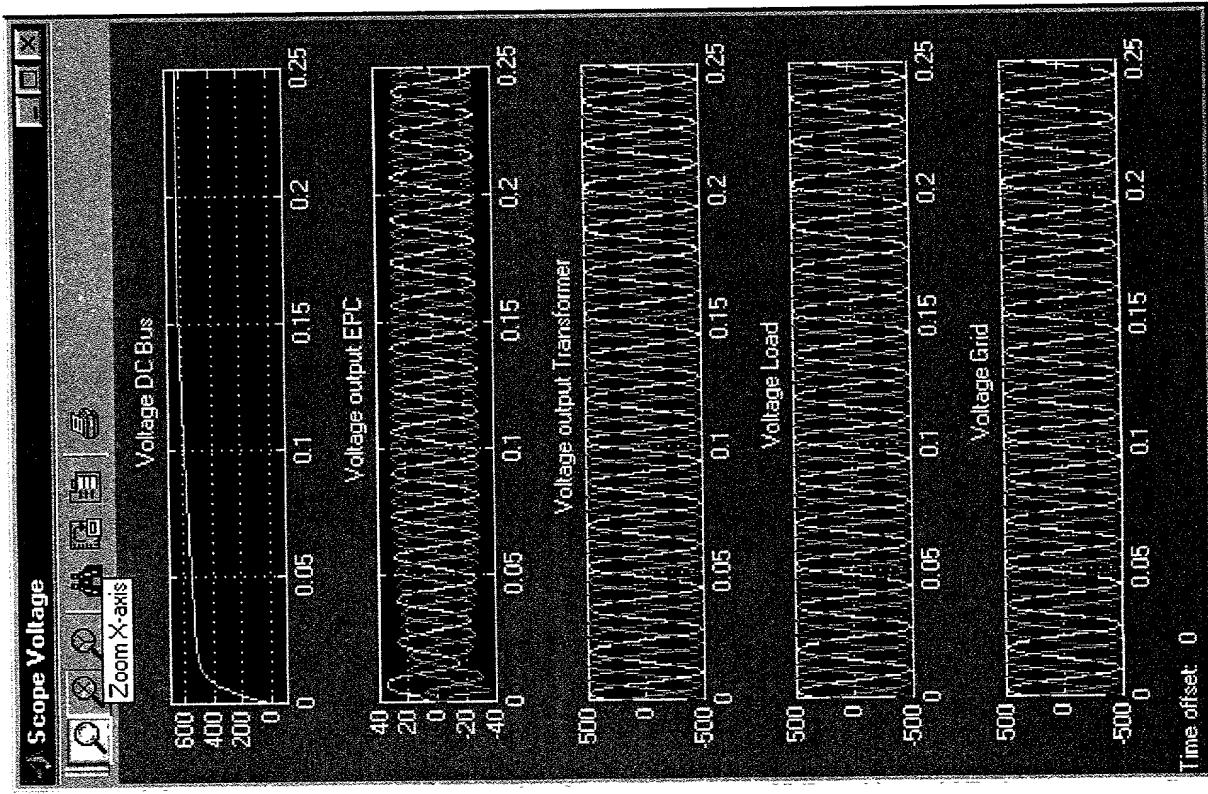


Figure 18

Figure 19

